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Office Memorandum • UNITED STATES GOVERNMENT

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TO : The Files DATE: 29 July 1960

FROM : [redacted] 50X1

SUBJECT: Trip Report - [redacted] 50X1
Signal Actuate Device, CU-3
[redacted] Task Order K 50X1

1. On 20 July a visit was made to the [redacted] 50X1
[redacted] to monitor progress on the subject task. 50X1
Those present were:

[redacted] 50X1

2. The subject task provides for the fabrication of 15 CU-3 signal actuate devices. Initial development of the CU-3 was accomplished under [redacted] Task Order C. The CU-3 is a miniature device which can be used with the Time Event Marker, IN-7 or independently. Upon signal presence at the input of this device, electronic circuitry actuates a relay to turn on a recorder and transfer the signal to the recorder input. At the end of preset recording period of $1\frac{1}{4}$, $2\frac{1}{2}$, or 5 minutes the signal actuate device will interrogate the time event marker and transfer the time event marker output to the recorder input. Each of these equipments performs automatically what is now a manual operation with agent type collection systems. It is intended that these units will be used in automatic collection systems such as the CS-11. 50X1

3. All the equipment required under this contract has been delivered by the contractor and acceptance tests are being conducted.

[redacted] 50X1

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OPERATION MANUAL

FOR SIGNAL ACTIVATED DEVICE (SAD)

1. SCOPE

This manual is intended to instruct in the method of putting the SAD into service.

2. INTERVAL SELECTOR (MARKED 1,2, and 5)

2.1 Remove #4-40 seal screw.

2.2 Select desired time interval by inserting a jewelers type screw driver (.070" shank) into hole and rotate, aligning up screw driver slot with numeral. The numerals 1, 2, and 5 indicate 1.25, 2.5, and 5 minutes respectively.

3. ELECTRICAL CONNECTIONS

3.1 Attach appropriate 14 terminal pre-wired male connector.

3.2 Secure pre-wired mating coaxial connector to unit.

4. TRIGGER ADJUSTMENT (MARKED "TRIGGER")

4.1 Remove #4-40 Seelskrew.

4.2 Insert a jewelers type screw driver (.070 "shank") into hole and adjust to desired level of sensitivity.

4.3 Replace #4-40 Seelskrew.

5. WINDING (MARKED "WIND")

5.1 Remove #4-40 Seelskrew.

5.2 Insert a jewelers type screw driver (.070 " shank) into hole and rotate in a watch winding manner until snug.

5.3 Replace #4-40 Seelskrew.

6. GAS PURGING (DE-HUMIDFYING)

6.1 Evidence of moisture in the container will be shown by a change in color of the "humidity indicator" from blue to pink. The "humidity indicator" is seen through the clear plastic window of the indicator plug.

If the "humidity indicator" does show an increase in the moisture content, the S.A.D. unit should be purged with high purity dry nitrogen.

6.2 Remove the #4-40 Seelskrew from the watch "Wind" hole.

6.3 Unscrew "humidity indicator" from unit and replace with "charging chuck".

CAUTION: Exposure of opened unit to high humidity or contaminated atmosphere can cause permanent damage to the operation of the unit.

6.4 Screw bulb, marked nitrogen, into "charging chuck" until it has bottomed.

6.5 Allow about five minutes for gas to pass through the case, then replace #4-40 Seelskrew in "Wind" hole.

6.6 Remove "charging chuck" and replace with a new "humidity indicator".